

Exporting Charts in MovAlyzeR6.1

6Dec2019

URL <https://neuroscript.net/tutorial/ExportingChartsinMovAlyzeR6.pdf>

DOCX <https://www.dropbox.com/s/6eptvb9ljzcuair/ExportingChartsinMovAlyzeR6.docx?dl=0>

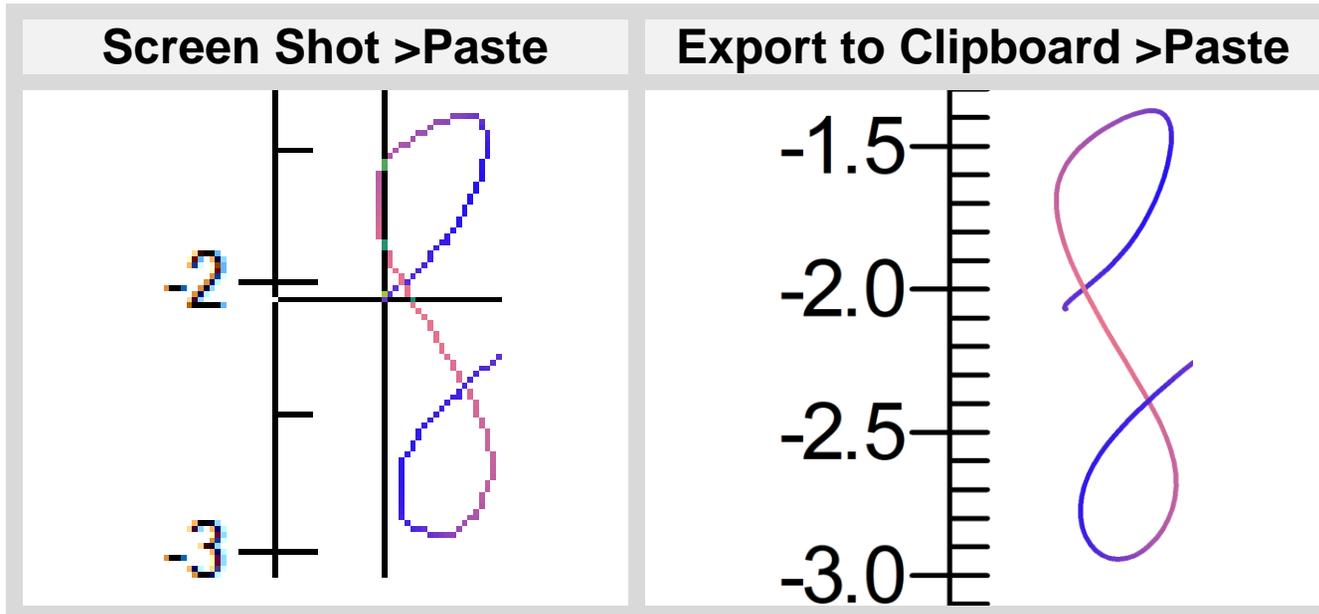
PDF <https://www.dropbox.com/s/mc06qkrl0ic1txy/ExportingChartsinMovAlyzeR6.pdf?dl=0>

Bug fix for exporting charts to PNG files

DOCX <https://www.dropbox.com/s/tsogex89n5n003k/MovAlyzeRBugExportChartToFile.docx?dl=0>

PDF <https://www.dropbox.com/s/v6r397in6dla3ah/MovAlyzeRBugExportChartToFile.pdf?dl=0>

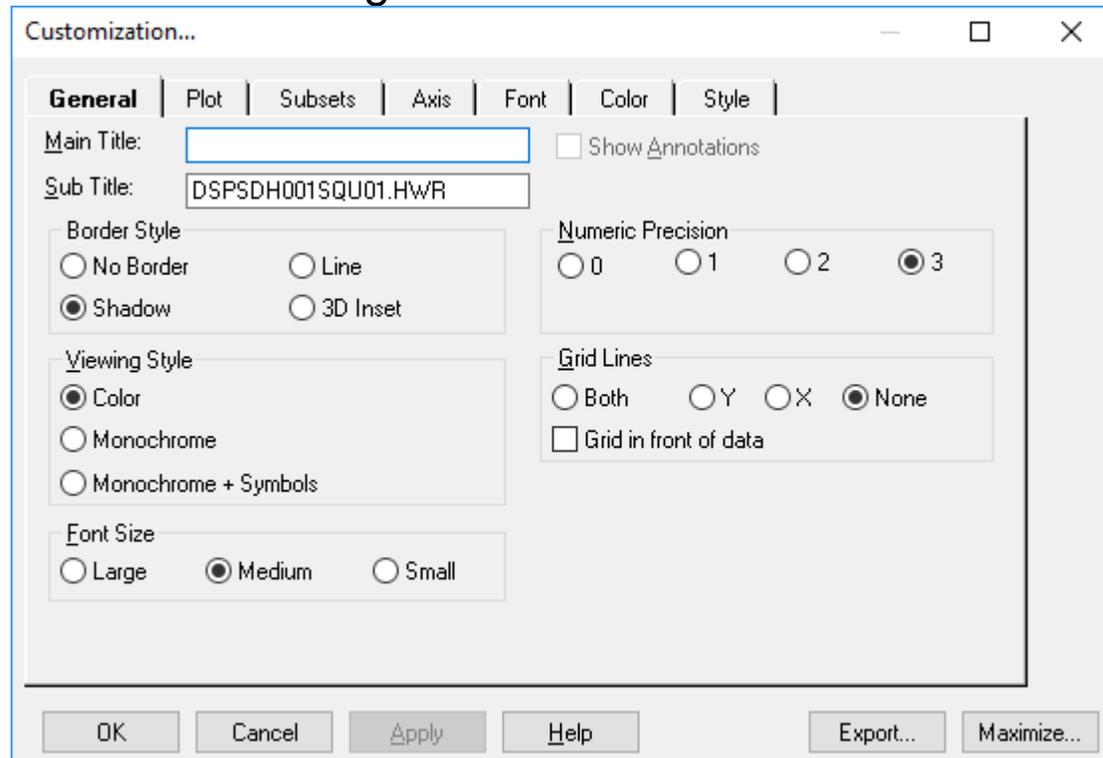
When exporting charts in Movalyzer, do not use screenshots or usual image files. Screenshots and most common image formats (JPG, PNG, BMP) cause blurring and pixilation (See left image). Instead, use vector graphics. Vector graphics (Metafile (WMF) causes no blurring or pixilation (See right image). To evaluate picture sharpness, zoom in 400%.



User=MIL Experiment=IGS Group=G1_ Subject=000 Condition=C1_ Trial=05

Exporting Movalyzer Charts

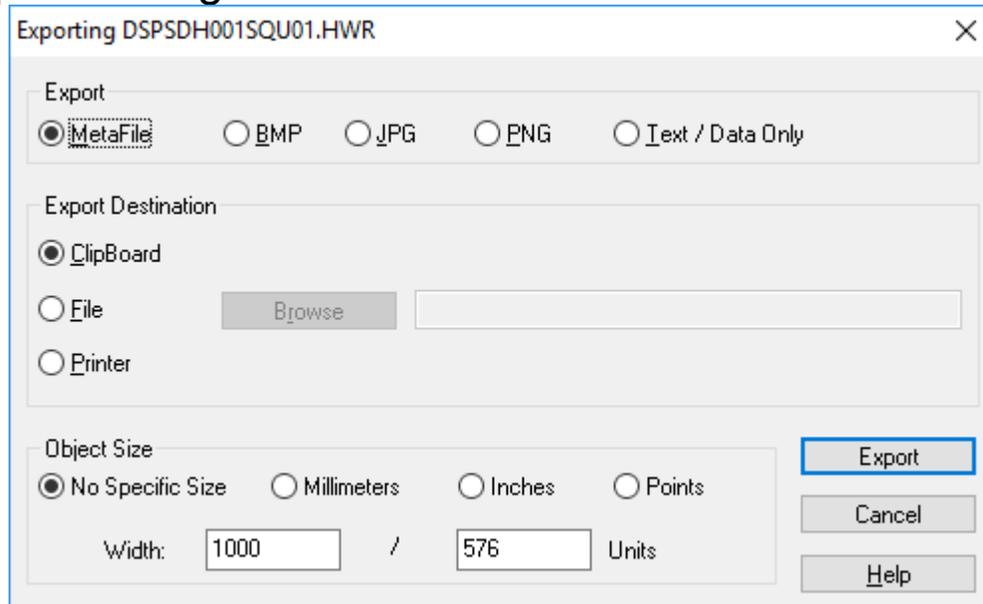
Rightclick in your Movalyzer chart
>Customization Dialog



- o Font Size: Large
- o Export

Or:

Rightclick in your Movalyzer chart
>Export Dialog



>Metafile (WMF)

← Vector graphics (Default)

>Clipboard

← Paste buffer (Default)

>Export

>Paste into your document (MS Word, MS PPT, MS Paint, Email. ...).

Customize AFTER pasting into your document:

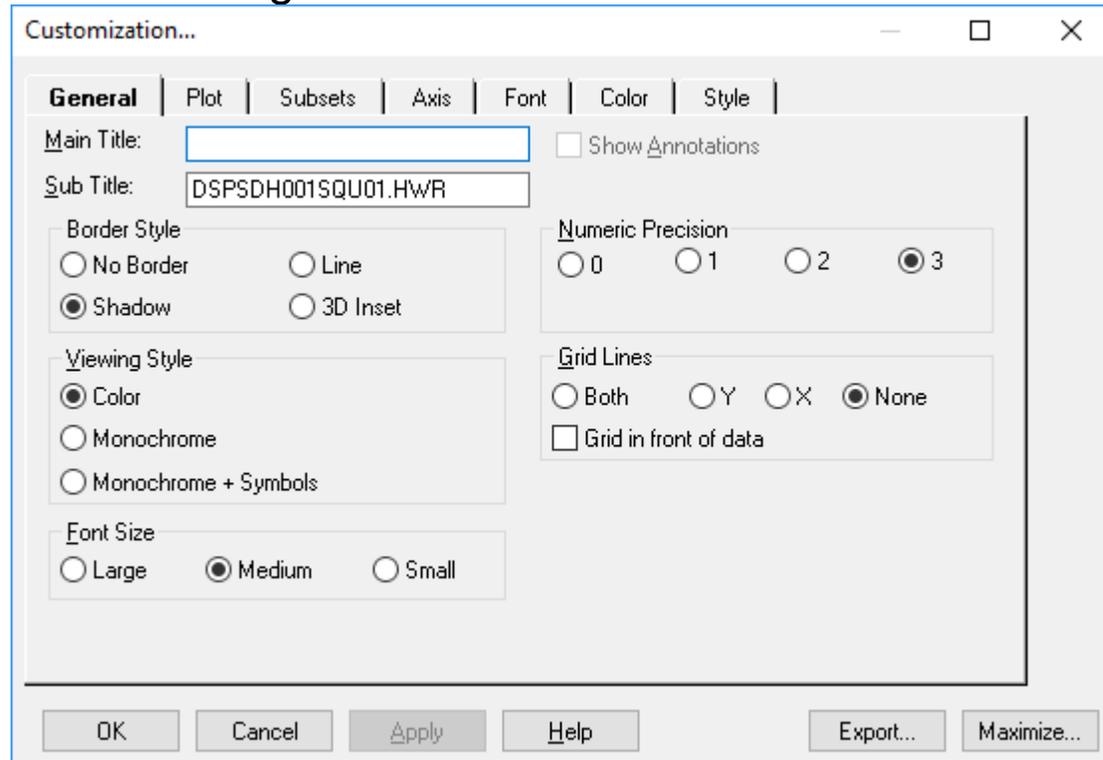
>Rightclick in pasted chart >Size

Or

>Picture Tools >Size

Additional customization options:

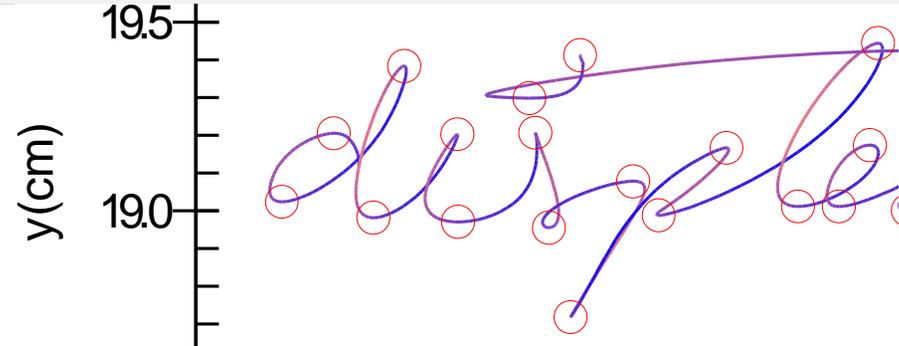
>Customization Dialog



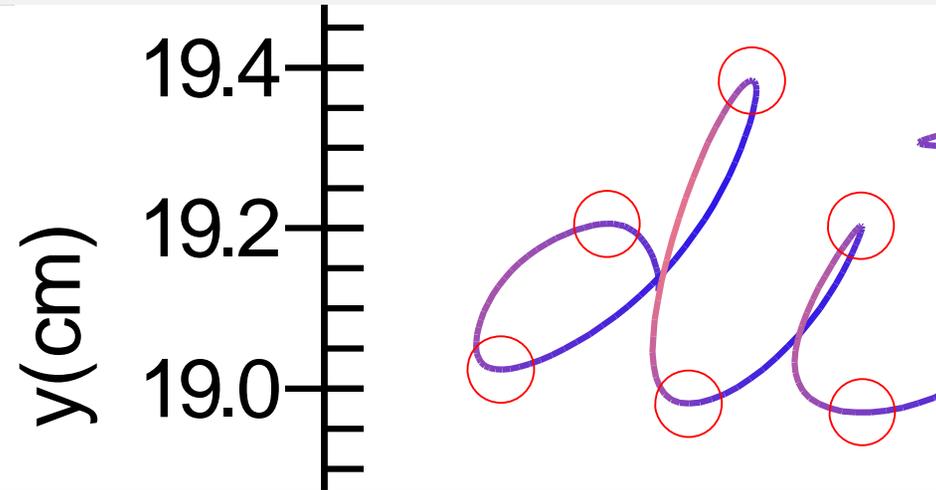
o Font Size: Large

EXAMPLE

Size 254%



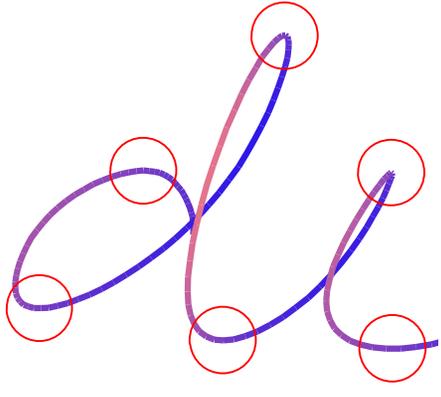
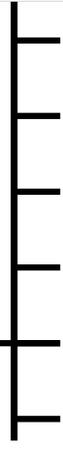
Size 508%



Size 508%; Font size Large

y(cm)

19.0



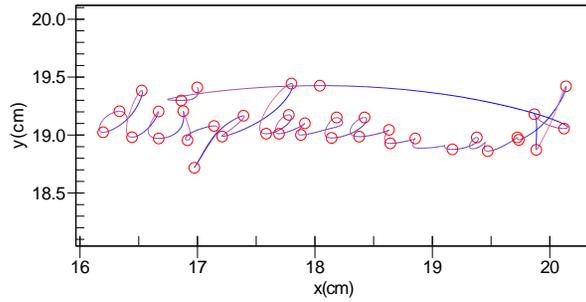
Different Font size settings. You can also manipulate by rescaling before exporting.

Size: 82%

Font size Large

WRDG01000W0701.TF

Sample= 0 Stroke= 0 Segment= 0 Pressure=14 Norm.Jerk=0.0 Vert.Size=0.0 LoopSurface=0.0

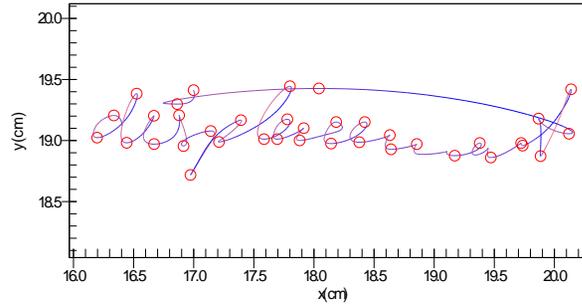


Site=NS User=UU1 Date=26Oct17 23:37

Font size Medium

WRDG01000W0701.TF

Sample= 0 Stroke= 0 Segment= 0 Pressure=14 Norm.Jerk=0.0 Vert.Size=0.0 LoopSurface=0.0

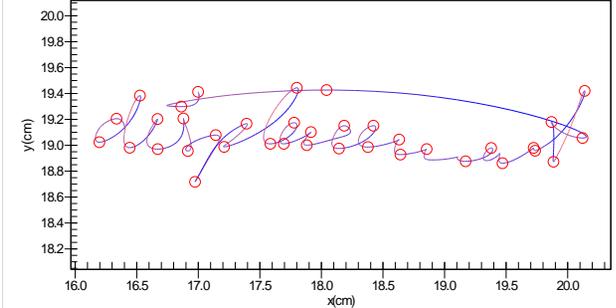


Site=NS User=UU1 Date=26Oct17 23:37

Font size Small

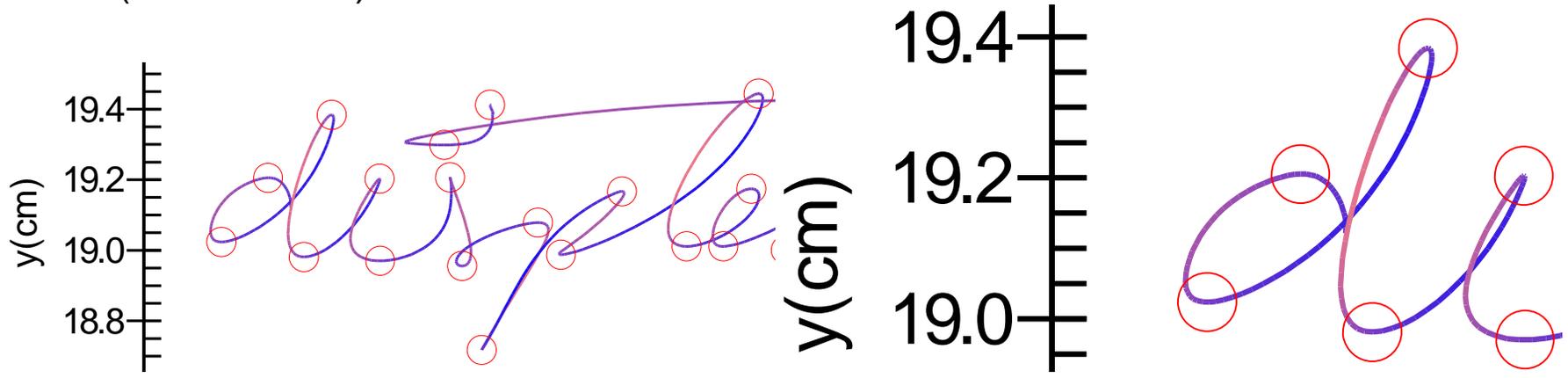
WRDG01000W0701.TF

Sample= 0 Stroke= 0 Segment= 0 Pressure=14 Norm.Jerk=0.0 Vert.Size=0.0 LoopSurface=0.0

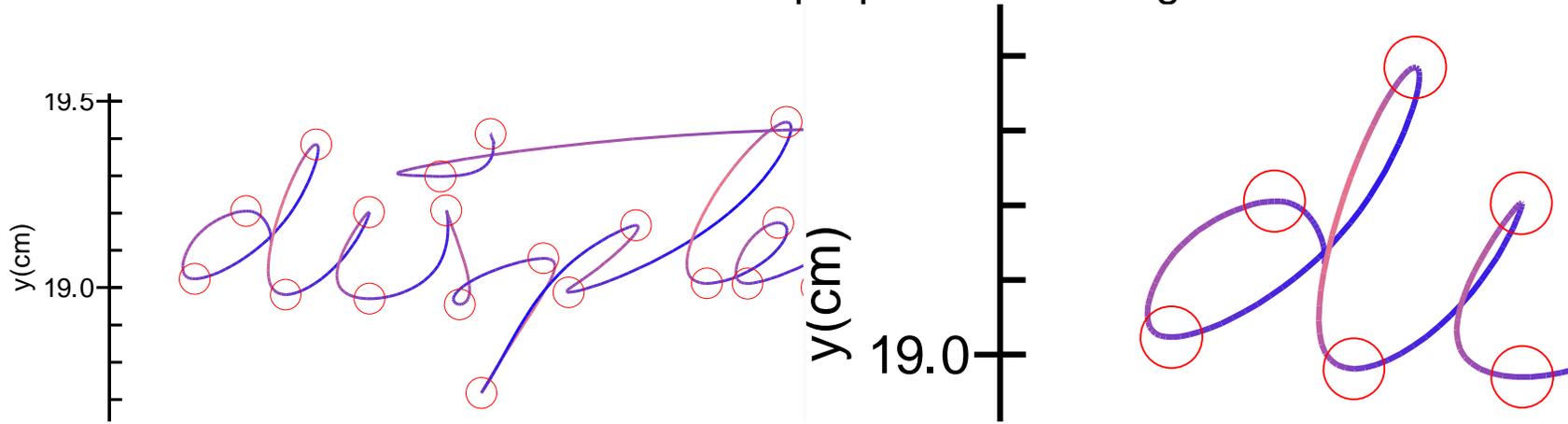


Site=NS User=UU1 Date=26Oct17 23:37

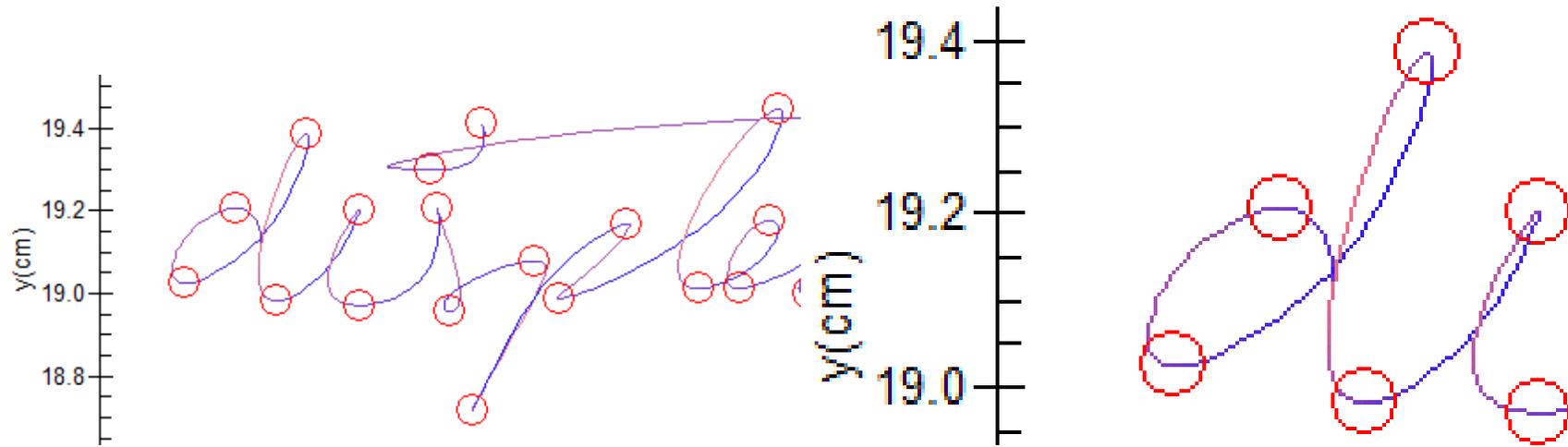
Customization >Font size Small >WMF (default) >Clipboard (default) >Export >Paste in MS Word (>Size 254%)



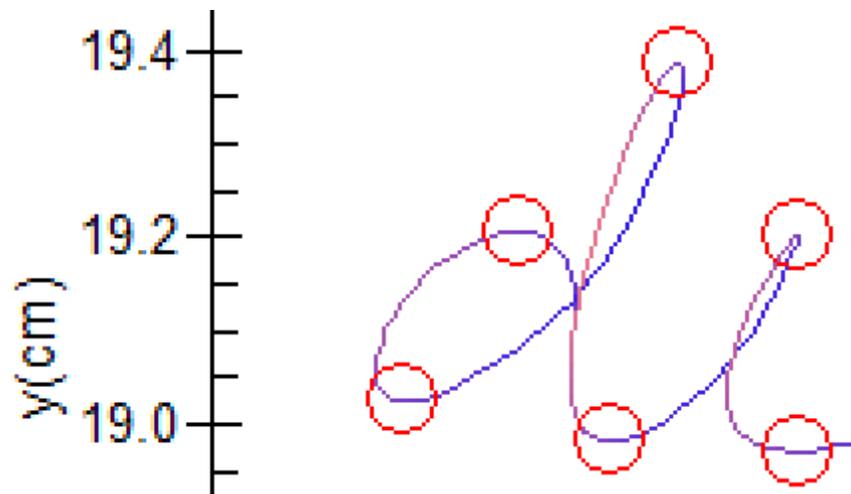
Font size small and chart stretched and proportional scaling off and on.



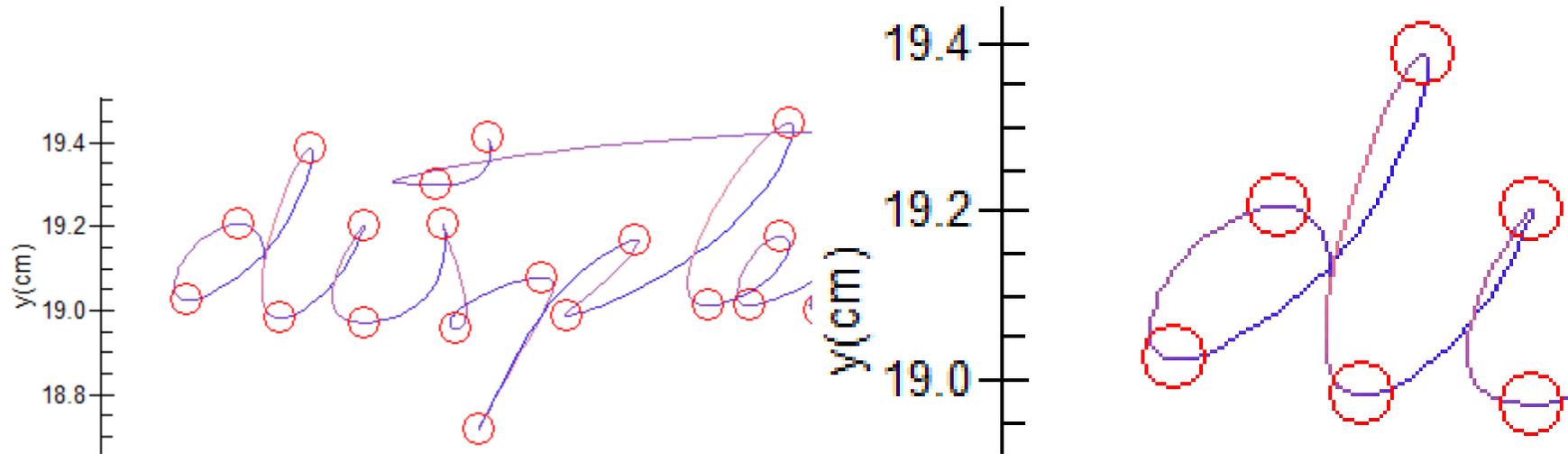
BMP >Clipboard (default) >Export >Paste in MS Word



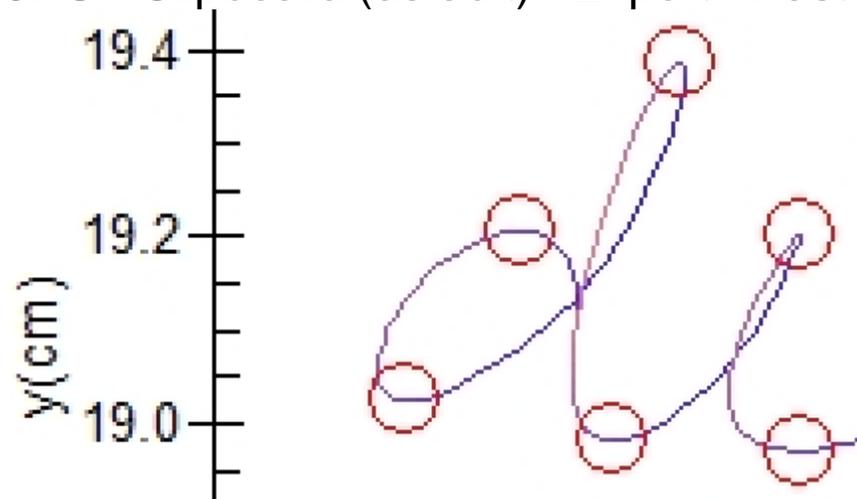
BMP >Clipboard (default) >Export >Paste in MS Paint >Copy >Paste into MS Word



JPG >Clipboard (default) >Export >Paste in MS Word



JPG >Clipboard (default) >Export >Paste in MS Paint >Copy >Paste into MS Word



Sizes of different image files

10/26/2017 11:47 PM 41,554 d.wmf

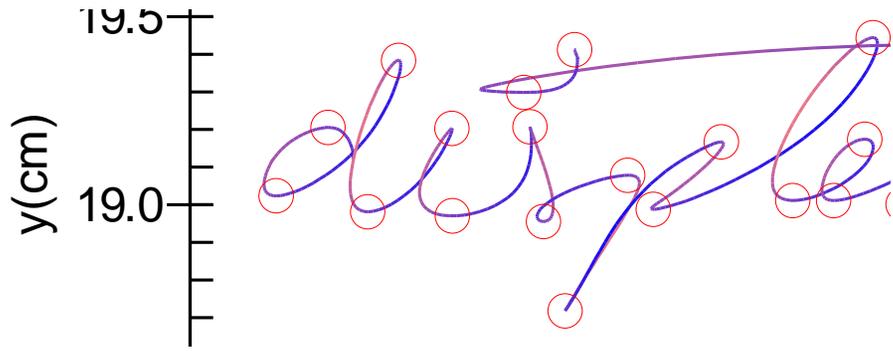
10/26/2017 11:48 PM 2,304,054 d.bmp

10/26/2017 11:49 PM 145,363 d.jpg

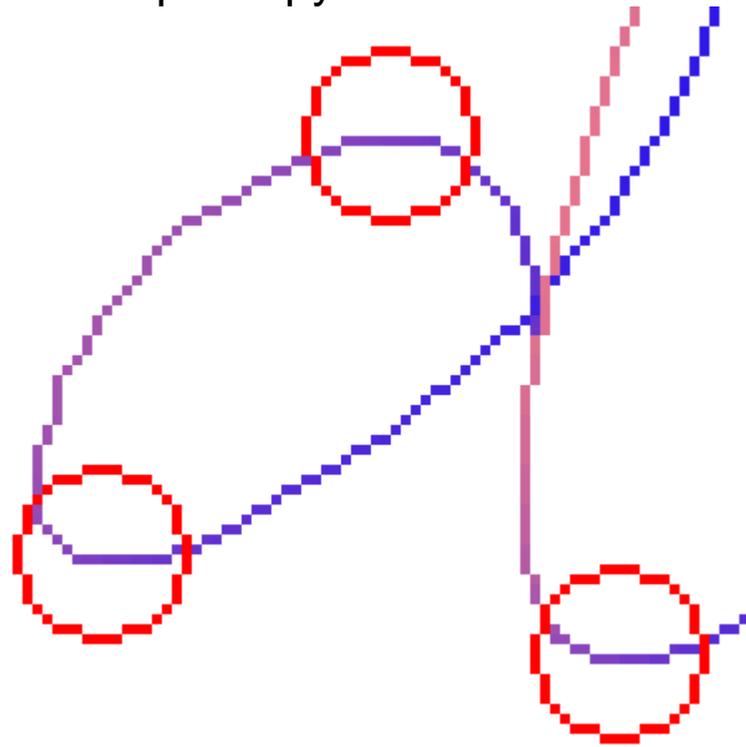
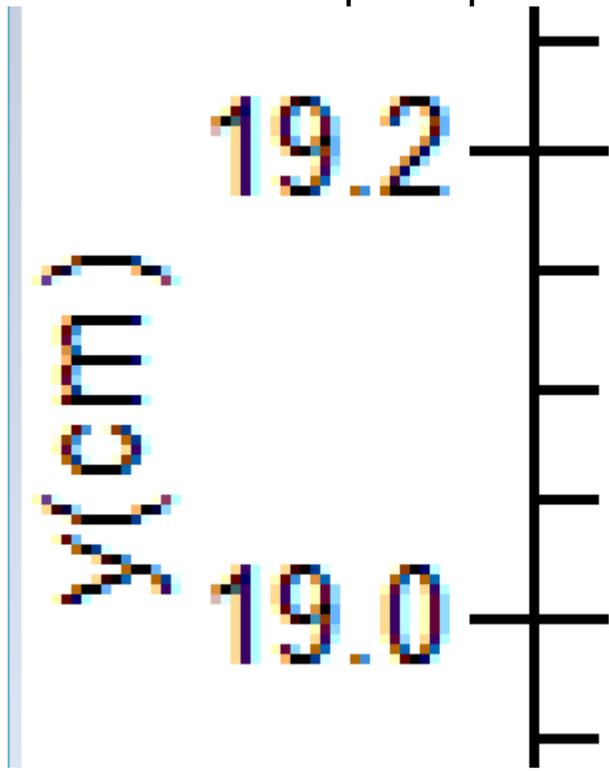
10/26/2017 11:48 PM 25,699 d.png

First via Clipboard, then save as file and then, in your document insert picture from file

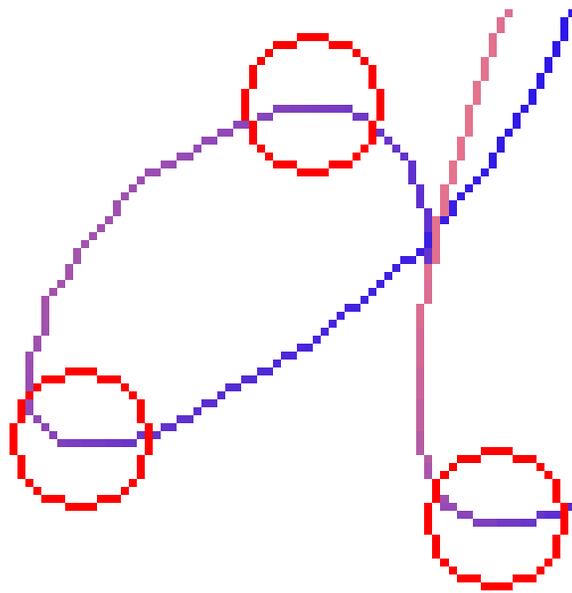
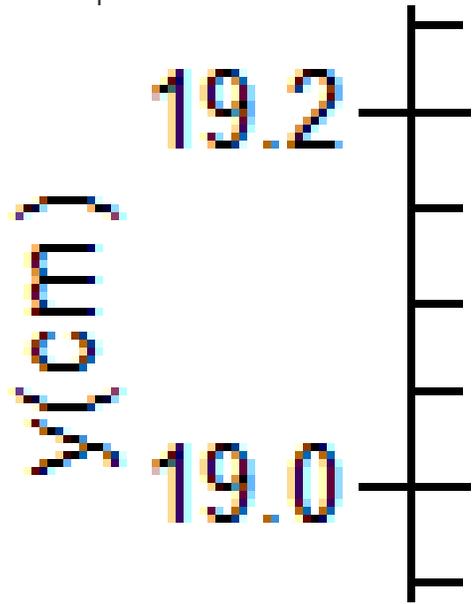
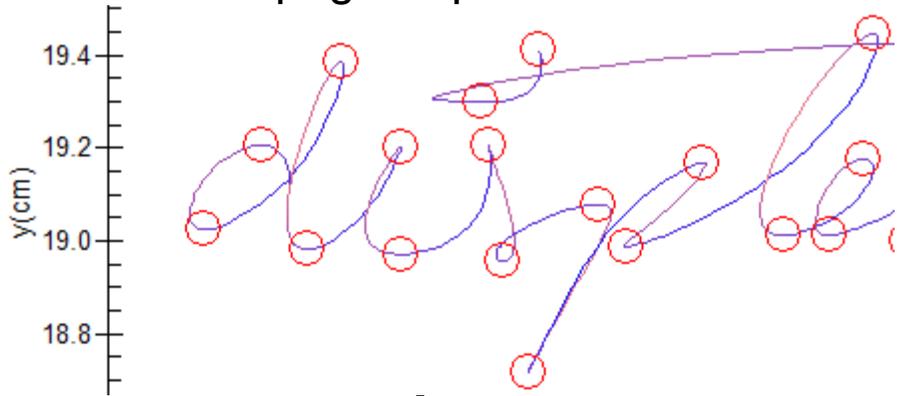
WMF (default) >File d.wmf >Export >Insert Picture d.wmf in MS Word (>Size 254%)



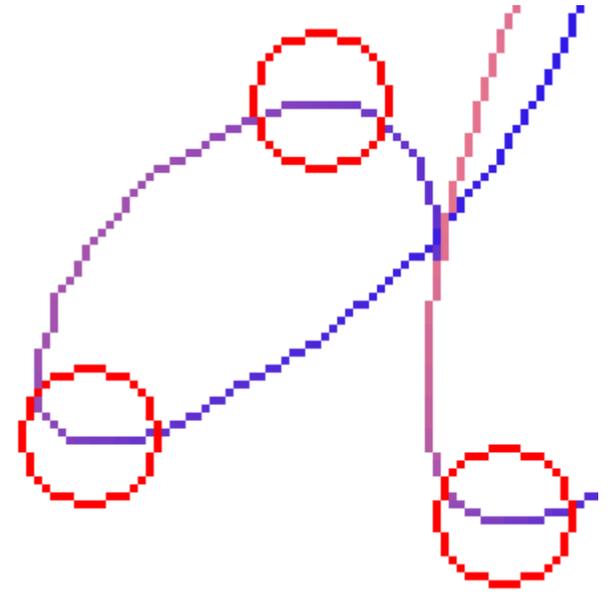
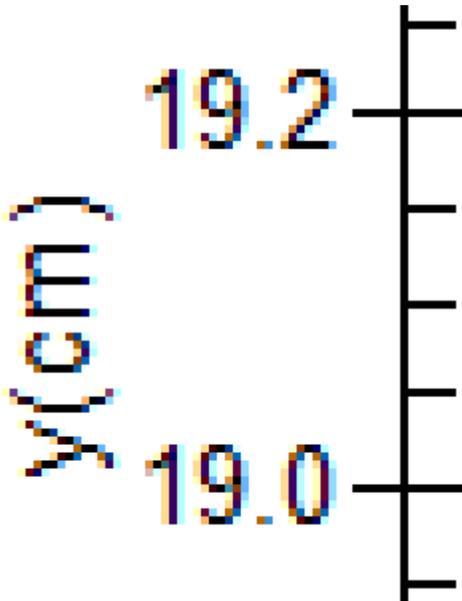
BMP >File d.bmp >Export >MS Paint >Open d.bmp >Copy >Paste into MS Word



PNG >File d.png >Export >Insert Picture d.png in MS Word



PNG >File d.png >Export >Open d.png with MS Paint >Magnify 4x >Copy >Paste into MS Word



MovAlyzeR enables the user to generate high quality images and animations.

Below, we describe the steps to generate images for documents and presentations, e.g., by pasting into

o

Program	Download	Info
MS Office Word, Powerpoint, ...		
OpenOffice Writer, Impress, ...	https://www.openoffice.org/download/	https://en.wikipedia.org/wiki/OpenOffice.org

In MS Word, PowerPoint

Resize Height and Width

Rightclick in image >Size

Lock aspect ratio

For next image: Click in it twice

Crop 4 sides

Click image >Picture tools (in banner) >Crop (right side of tool bar)

For next image: Click in it twice

Animated Gif

Do not export but do screen capture and save as GIF file. Then PPT insert (not paste) animated GIF file.

Program	Download	Info
ScreenToGif (More free programs exist)	http://www.screentogif.com/downloads/ https://screentogif.codeplex.com	<a href="http://www.softpedia.com/get/Multimedia/Graphic/Graphic-
Others/Screen-to-Gif.shtml">http://www.softpedia.com/get/Multimedia/Graphic/Graphic- Others/Screen-to-Gif.shtml

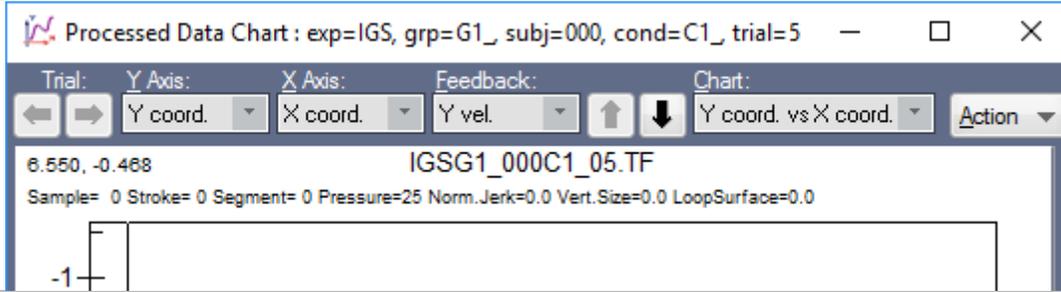
Example of a GIF file: <https://www.dropbox.com/s/zdcw9zxwj1atkp/Amongthemanym.gif?dl=0>

Image processing programs

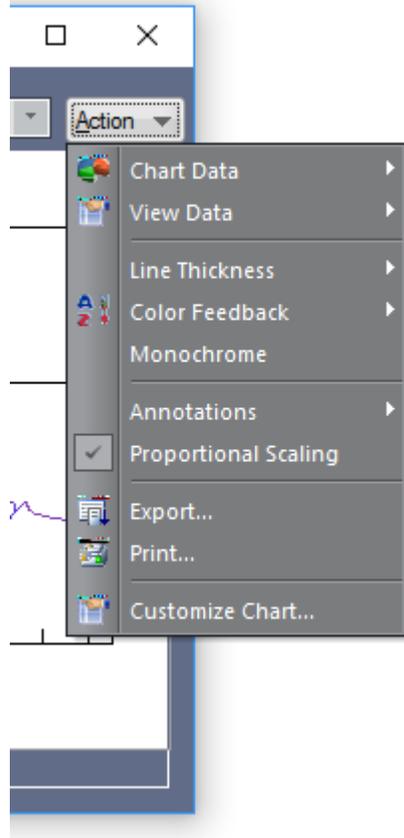
Additional programs exist http://filehippo.com/software/photos_images/

Program	Download	Info
MS Paint or Paint.NET	https://www.getpaint.net	https://en.wikipedia.org/wiki/Paint.net
Irfanview	http://www.irfanview.com/	https://en.wikipedia.org/wiki/IrfanView
Gimp	https://www.gimp.org/	https://en.wikipedia.org/wiki/GIMP http://filehippo.com/download_the_gimp

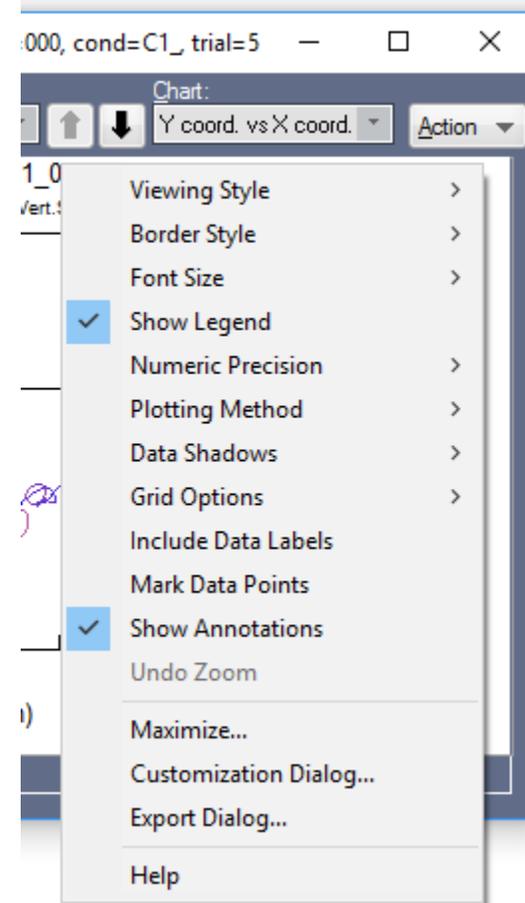
Chart a handwriting recording: Double-click on trial



Either: Action >Export



or: Rightclick in chart >Export Dialog

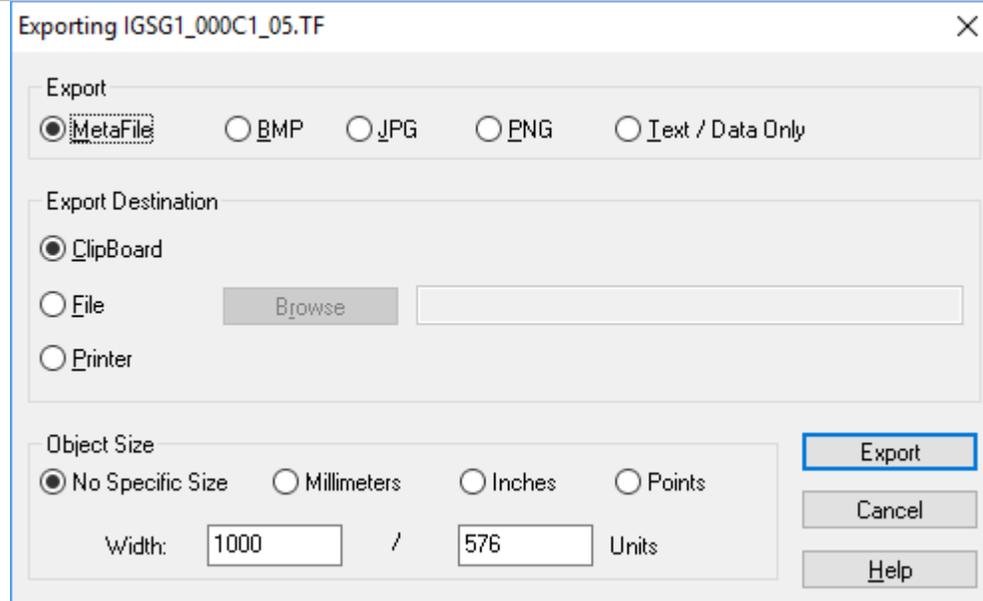


The default export:

Metafile >ClipBoard >Export
then

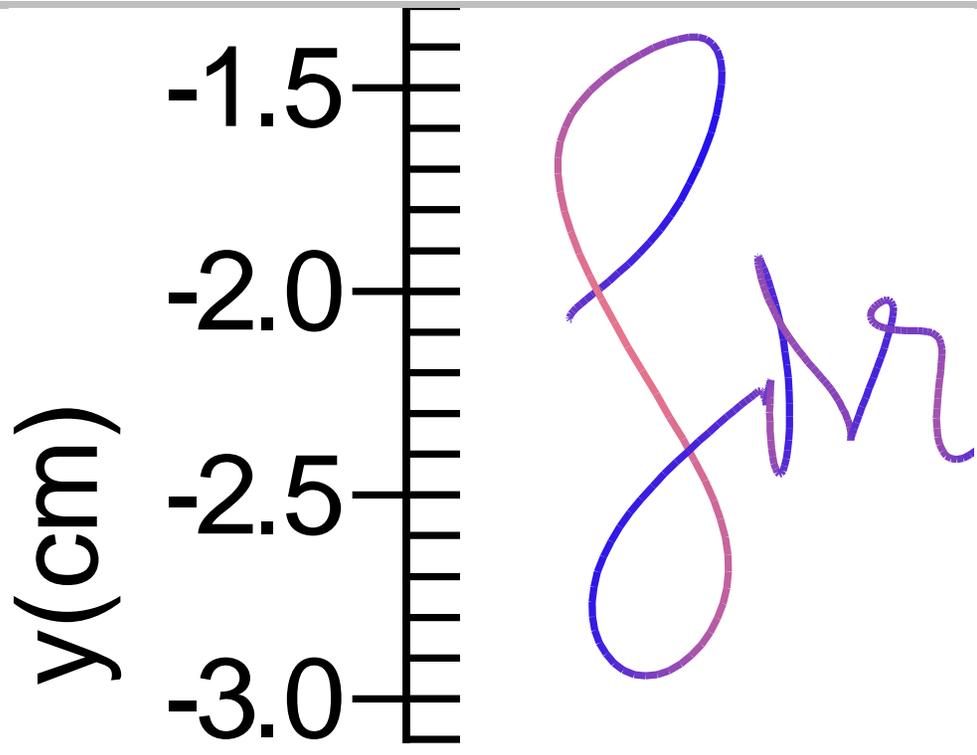
Paste into your application
yields the highest quality.

See below for examples using various export methods.



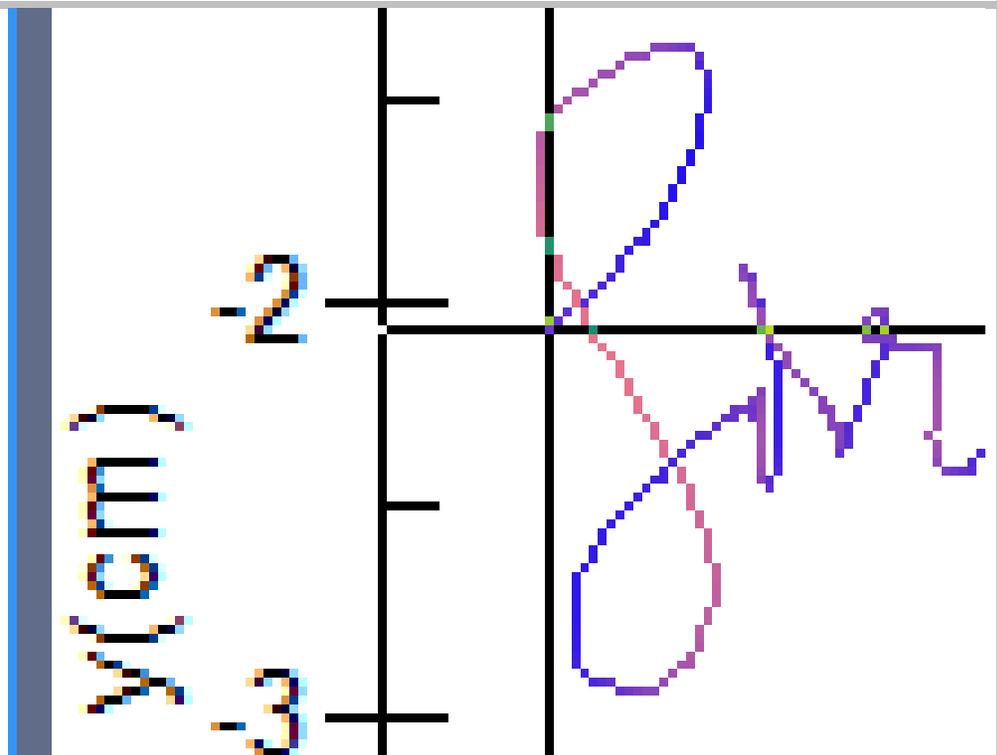
Highest-quality result:

Action >Export >Clipboard >Metafile

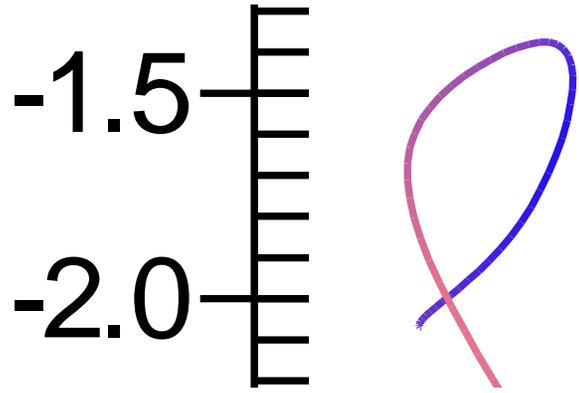


Worst quality result:

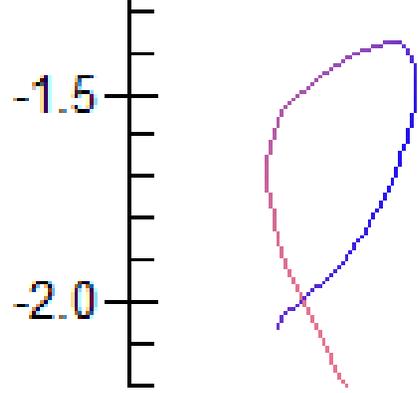
Print Screen



WMF Windows MetaFile via ClipBoard

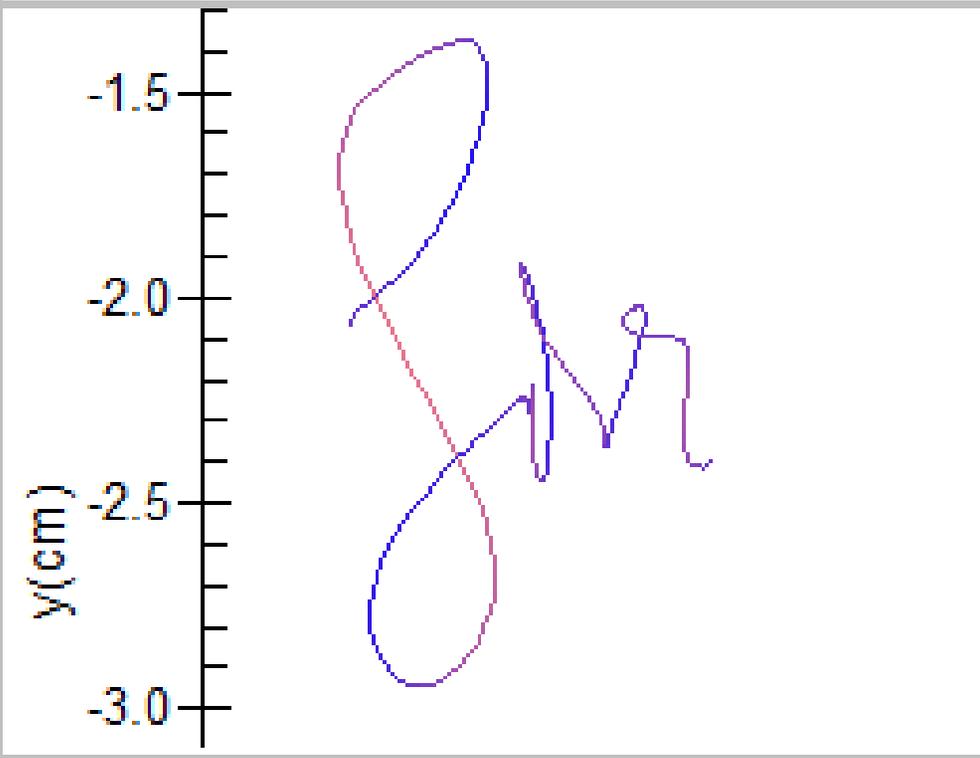


BMP Bitmap via ClipBoard



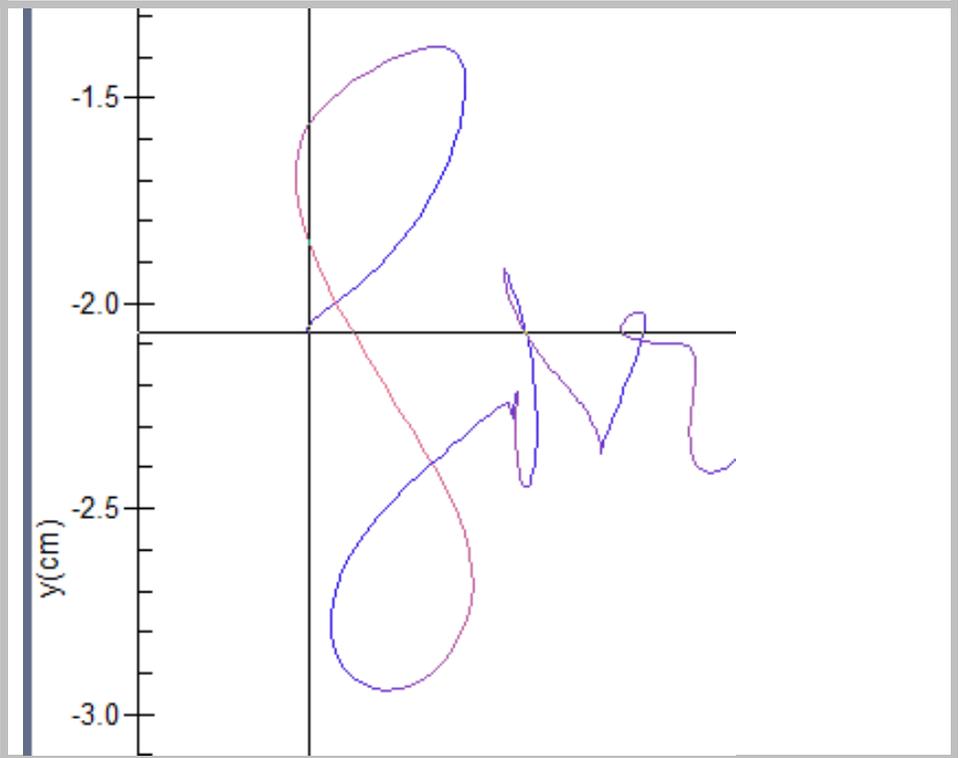
Moderate quality result

Action >Export >Clipboard >BMP
Action >Export >Clipboard >JPG
Action >Export >Clipboard >PNG (not available)



Slightly better result when maximizing window (1920x1080 pixels, WUXGA)

Maximize Window >Print Screen



Printing Charts and Stimuli Real Size

Do not export but print a chart directly.

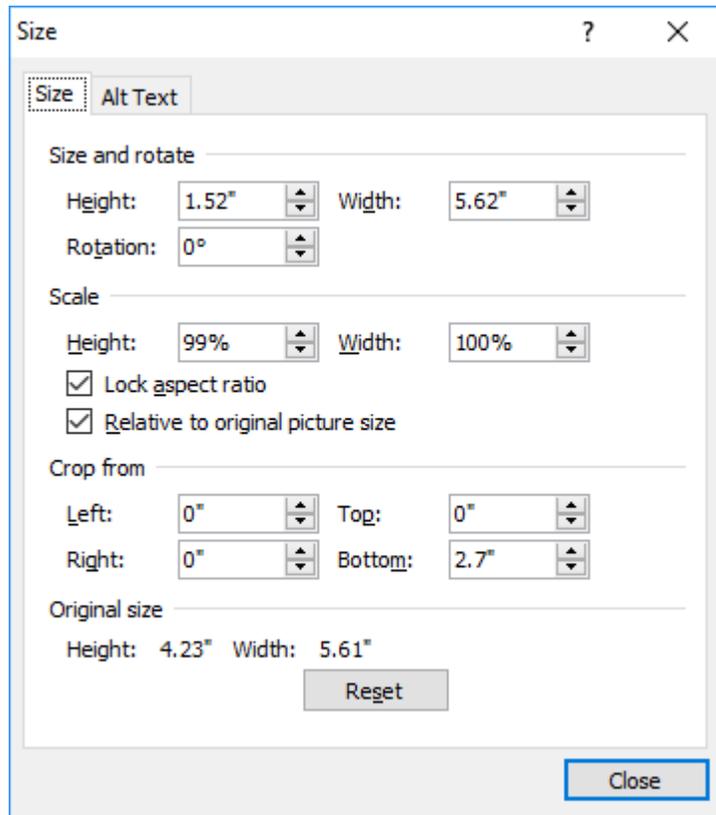
1. Chart the stimulus by rightclicking the particular stimulus >Chart or >Properties >Chart.
2. Check MonoChrome
3. Print (yielding an as-is print)
4. Measure the actual size of the x and y axes (e.g., 21 cm and 14 cm, respectively).
5. Tell MovAlyzeR these sizes by rightclicking inside the stimulus chart >Customization >Axis.
6. Fill out the min and max of the x-axis (e.g., 1 cm and 22 cm, respectively) and similarly for the y axis (e.g., 1 cm and 15 cm)
7. Right click chart > Print (yielding the real-size print).

This way you can print a stimulus the same size as on the digitizer, so that subjects can perform writing tasks with direct visual feedback instead of displaced visual feedback via the display.

Printing Scanned Images Real Size

MS Word treats every image as 92 DPI.

Therefore, if you scan an image at 300 DPI and paste or insert it using scale 100%, the image will be printed at $300/92 = 3.2x$ real size.



To print the scanned image in real size set the scale to $92/300=31\%$.

To magnify an image 2x, rescale to $2 * 92/300 = 62\%$

To magnify 3x, rescale to 93%, 4x, rescale to 123%, 5x, rescale to 153%, etc.

To display an MS Word page in real size on your screen, set the display zoom so that the page width equals the visible format of the (e.g., 8.5 inch or 21.59 cm for Letter size and 21.0 cm for A4 size paper). E.g., the display zoom may need to be set to 107%.

24 bits color

Then reduce size by 50%

Some lines may not show

Then first reduce color depth till 1 bit

Then reduce size

See all photos

Add to a creation



Edit & Create

Share



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